

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: January 30, 1991
Date Submitted: January 21, 1991
Project: TCLP Test, 3200, P.O. #18498

RESULTS OF ANALYSES OF THE SLUDGE SAMPLE
FOR TCLP METALS IN ACCORDANCE WITH
40 CFR PART 261
Results Reported as mg/L (ppm)

<u>Sample #</u>	<u>M18498</u>	<u>Regulatory Level</u>
<u>Analyte:</u>		
Arsenic	0.12	5.0
Barium	0.07	100
Cadmium	0.04	1.0
Chromium	12	5.0
Lead	0.27	5.0
Mercury	0.09	0.2
Selenium	0.10	1.0
Silver	0.03	5.0

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40 CFR PART 261
Results Reported as mg/L (ppm)
Quality Assurance**

<u>Sample #</u>	<u>Method Blank</u>	<u>M18498 Duplicate</u>	<u>Regulatory Level</u>
<u>Analyte:</u>			
Arsenic	<0.01	0.11	5.0
Barium	<0.01	0.07	100
Cadmium	<0.01	0.03	1.0
Chromium	<0.01	13	5.0
Lead	<0.01	0.24	5.0
Mercury	<0.01	0.05	0.2
Selenium	<0.01	0.07	1.0
Silver	<0.01	0.03	5.0

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**RESULTS OF ANALYSES OF THE SLUDGE SAMPLE
FOR TCLP METALS IN ACCORDANCE WITH
40 CFR PART 261
Results Reported as % Recovery
TCLP Extract Spiked at the Indicated Level
Quality Assurance**

<u>Sample #</u>	M18498 <u>Matrix Spike</u> Spiked @ 5 ppm % Recovery	M18498 <u>Matrix Spike Duplicate</u> Spiked @ 5 ppm % Recovery
<u>Analyte:</u>		
Arsenic	25%	120%
Barium	32%	96%
Cadmium	18%	52%
Chromium	a	a
Lead	21%	79%
Mercury	13%	50%
Selenium	25%	101%
Silver	19%	69%

a - The amount spiked was insufficient to give meaningful recovery data.

